



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY
TIDEWATER REGIONAL OFFICE

5636 Southern Boulevard, Virginia Beach, Virginia 23462
(757) 518-2000 Fax (757) 518-2009
www.deq.virginia.gov

Doug Domenech
Secretary of Natural Resources

David K. Paylor
Director

Maria R. Nold
Regional Director

April 10, 2012

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Edward G. Henifin
General Manager
Hampton Roads Sanitation District
1436 Air Rail Ave
Virginia Beach, VA 23455

RE: VPDES Permit No. VA0081264
Reissuance for HRSD-Chesapeake-Elizabeth STP
Virginia Beach, VA

Dear Mr. Henifin:

The enclosed effluent limitations and monitoring requirements for the above referenced permit have been approved. Additionally, enclosed are copies of the fact sheet pages that describe public participation in the permitting process. Please replace the pages in fact sheet that you received with the draft permit with these pages.

Your permit is also enclosed. In accordance with the permit, you are required to submit monitoring reports to the following address:

Department of Environmental Quality (DEQ)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

The reporting forms are included with the permit. You will be responsible for obtaining additional copies of the reporting forms. The first report (DMR) is due for the month of November 2012 by December 10, 2012.

Please note that compliance with the permit's requirements for use and disposal of sewage sludge does not relieve you of your responsibility to comply with federal requirements set forth in 40 CFR Part 503. Until DEQ seeks and is granted authority to administer the Part 503 regulations by EPA, treatment works treating domestic sewage should continue to work directly with EPA to comply with them. For more information, you can call the EPA Region III office in Philadelphia at 215-814-5735.

As provided by Rule 2A:2 of the Supreme Court of Virginia, you have thirty days from the date of service (the date you actually received this decision or the date it was mailed to you, whichever occurred first) within which to appeal this decision by filing a notice of appeal in accordance with the Rules of the Supreme Court

of Virginia with the Director, Department of Environmental Quality. In the event that this decision is served on you by mail, three days are added to that period.

Alternatively, any owner under Section 62.1-44.16, 62.1-44.17, and 62.1-44.19 of the State Water Control Law aggrieved by any action of the State Water Control Board taken without a formal hearing, or by inaction of the Board, may demand in writing a formal hearing of such owner's grievance, provided a petition requesting such hearing is filed with the Board. Said petition must meet the requirements set forth in Section 1.23(b) of the Board's Procedural Rule No. 1. In cases involving actions of the Board, such petition must be filed within thirty days after notice of such action is mailed to such owner by certified mail.

A Reliability Class I is assigned to this facility and this facility has Class I licensed wastewater operator requirements.

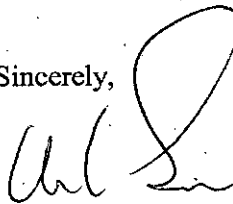
DEQ has launched an e-DMR program that allows you to submit the effluent data electronically. We anticipate that in the near future all permittees will be participants in the e-DMR program. There are many benefits to both DEQ and the permittee when e-DMR is utilized for submissions:

- 1) Fewer revisions for data since the e-DMR program automatically flags omissions before the data is submitted;
- 2) Cost savings on postage, copying, and paper;
- 3) No concerns about using the most current DMR – e-DMR refreshes the required parameters automatically when changes are needed;
- 4) Submittals can be made on a timelier basis; and
- 5) Electronic signatures from multiple people are allowed and e-DMR can be accessed from multiple computer locations.

We ask that you apply for e-DMR participation now so that we will be able to complete the application process when your permit is effective. The following website provides details and our regional e-DMR administrator Debbie Kay, phone 757-518-2127, Deborah.kay@deq.virginia.gov can also assist you:
<http://www.deq.virginia.gov/water/edmrfaq.html>

If you have any additional questions, please do not hesitate to contact Deanna Austin at 757-518-2008 or deanna.austin@deq.virginia.gov

Sincerely,



Mark H. Sauer
Water Permit Manager

MHS/DDA

cc: DEQ - TRO File ECM
EPA - Region III (3WP12)

Encl: Permit No. VA0081264
Revised Fact Sheet Pages

29. **PUBLIC PARTICIPATION:** Document comments/responses received during the public participation process. If comments/responses provided, especially if they result in changes to the permit, place in the attachment.

VDH/DSS COMMENTS RECEIVED ON DRAFT PERMIT: Document any comments received from the Virginia Dept. of Health and the Div. of Shellfish Sanitation and noted how resolved.

The VDH reviewed the application and waived their right to comment and/or object on the adequacy of the draft permit. Letter received 1/10/12.

The DSS has no comments on the application/draft permit. Letter received 2/1/12.

EPA COMMENTS RECEIVED ON DRAFT PERMIT: Document any comments received from the U.S. Environmental Protection Agency and noted how resolved.

EPA has no objections to the adequacy of the draft permit. Email received 3/14/12.

ADJACENT STATE COMMENTS RECEIVED ON DRAFT PERMIT: Document any comments received from an adjacent state and noted how resolved.

Not Applicable.

OTHER AGENCY COMMENTS RECEIVED ON DRAFT PERMIT: Document any comments received from any other agencies (e.g., VIMS, VMRC, DGIF, etc.) and noted how resolved.

The original draft permit was sent to VMRC and no comments were received.

OTHER COMMENTS RECEIVED FROM RIPARIAN OWNERS/CITIZENS ON DRAFT PERMIT: Document any comments received from other sources and note how resolved.

The application and draft permit have received public notice in accordance with the VPDES Permit Regulation, and no comments were received.

PUBLIC NOTICE INFORMATION: Comment Period: Start Date 3/8/12
End Date 3/9/12

Persons may comment in writing or by e-mail to the DEQ on the proposed reissuance of the permit within 30 days from the date of the first notice. Address all comments to the contact person listed below. Written or e-mail comments shall include the name, address, and telephone number of the writer, and shall contain a complete, concise statement of the factual basis for comments. Only those comments received within this period will be considered. The Director of the DEQ may decide to hold a public hearing if public response is significant. Requests for public hearings shall state the reason why a hearing is requested, the nature of the issues proposed to be raised in the public hearing and a brief explanation of how the requestor's interests would be directly and adversely affected by the proposed permit action.

All pertinent information is on file and may be inspected, and arrangements made for copying by contacting Deanna Austin at: Department of Environmental Quality (DEQ), Tidewater Regional Office, 5636 Southern Boulevard, Virginia Beach, VA 23462. Telephone: 757-518-2008 E-mail: deanna.austin@deq.virginia.gov

Following the comment period, the Board will make a determination regarding the proposed reissuance. This determination will become effective, unless the Director grants a public hearing. Due notice of any public hearing will be given.

30. ADDITIONAL FACT SHEET COMMENTS/PERTINENT INFORMATION:

Permit regulation 9 VAC 25-820-10 (General Virginia Pollutant Discharge Elimination System (VPDES) Watershed Permit Regulation for Total Nitrogen and Total Phosphorus Discharges and Nutrient Trading in the Chesapeake Bay Watershed in Virginia) became effective November 1, 2006. The regulation governs facilities holding individual permits that discharge total nitrogen or total phosphorus to the Chesapeake Bay and its tributaries and replaces guidance document 05-2009. HRSD applied for coverage under the Watershed GP and is now covered under VPDES permit VAN040090 for the James River Aggregate Nutrient Discharge. The Ches-Liz plant nutrient outfall (same as outfall 001) is labeled outfall 507 under the Watershed GP.

TABLE III(a)

VPDES PERMIT PROGRAM
Permit Processing Change Sheet

1. Effluent Limits and Monitoring Schedule: (List any changes FROM PREVIOUS PERMIT and give a brief rationale for the changes).

OUTFALL NUMBER	PARAMETER CHANGED	MONITORING LIMITS CHANGED FROM / TO	EFFLUENT LIMITS CHANGED FROM / TO	RATIONALE	DATE & INITIAL
001	Enterococci	None/ 2/month	None/ 35	Required by EPA during the last reissuance of various municipal permits, including the HRSD permits. The EPA letters are attached to the FS.	2/7/12 DDA

OTHER CHANGES:	COMMENTS:	DATE & INITIAL

HRSD Chesapeake-Elizabeth STP
Rationale for Parameters, Limitations, and Sampling Requirements

Outfall 001/002

Flow: No limit, monitoring is required with continuous, totalizing, indicating or recording equipment. This is based on the VPDES Permit Manual and is standard for sanitary wastewater plants with discharges greater than 2 MGD. The design flow of 24 MGD is the baseline for the 95% design flow capacity notification.

pH: Minimum limit of 6.0 SU and Maximum of 9.0 SU. These limits are based on Federal Effluent Guidelines (40 CFR 133.102) and Water Quality Standards in 9 VAC 25-260-50, which limits pH to the range above for coastal waters of the State. Monitoring is a daily grab sample and is standard for sanitary WW plants with discharges greater than 2 MGD.

Biological Oxygen Demand: Monthly average of 30 mg/L and 2725 kg/day. Weekly average of 45 mg/L and 4088 kg/day. This is based on Federal Effluent Guidelines (40 CFR 133.102 which sets the limits for secondary WW plants. Loading limits are in whole numbers based upon the latest DEQ significant figures guidance (06-2016). Monitoring is required using 24 hour composite samples at a frequency of 3/week. The frequency has been reduced from 4/week to 3/week based upon the data received during the permit term and the request from the facility. DEQ guidance document 98-2005 was used to decrease the monitoring frequency.

Total Suspended Solids: Monthly average of 30 mg/L and 2725 kg/day. Weekly average of 45 mg/L and 4088 kg/day. This is based on Federal Effluent Guidelines (40 CFR 133.102 which sets the limits for secondary WW plants. Loading limits are in whole numbers based upon the latest DEQ significant figures guidance (06-2016). Monitoring is required using 24 hour composite samples at a frequency of 3/week. The frequency has been reduced from 4/week to 3/week based upon the data received during the permit term and the request from the facility. DEQ guidance document 98-2005 was used to decrease the monitoring frequency.

Total Residual Chlorine The minimum limit after contact time is 1.5 mg/l with 36 exceptions. A permit special condition requires reporting when 3 or more consecutive TRC readings are below 0.6 mg/l or the TRC is less than 0.1 mg/l. Monitoring is required once/2 hours by grab sample. This is based on the VPDES permit manual and is standard for municipal discharges of >2.0 MGD.

Final Total Residual Chlorine A weekly average of 2.4 mg/l. A monthly average of 0.20 mg/l. This is a technology based limit following guidance document 00-2011 and is carried forward from the current permit. The monthly average limit has been changed from 0.2 to 0.20 mg/l to account for significant figures guidance (06-2016). Monitoring is

TABLE II - MUNICIPAL EFFLUENT LIMITATIONS/MONITORING

OUTFALL # 001 and 002[i] DESIGN FLOW: 24 MGD
 Outfall Description: Treated Municipal wastewater.
 SIC CODE: 4952

(X) Final Limits () Interim Limits Effective Dates - From: Reissuance Date To: Expiration Date

PARAMETER & UNITS	BASIS FOR LIMITS	DESIGN FLOW MULTIPLIER	EFFLUENT LIMITATIONS				MONITORING REQUIREMENTS	
			MONTHLY AVERAGE	WEEKLY AVERAGE	MINIMUM	MAXIMUM	FREQUENCY	SAMPLE TYPE
Flow (MGD) [a]	3		NL	NA	NA	NL	Continuous	TI & RE*
pH (S.U.)	1		NA	NA	6.0	9.0	1/Day	Grab
BOD5 (mg/l) [c] [d]	1	24	30	45	NA	NA	3/Week	24-Hr. Comp
BOD5 (kg/d) [d]	1	24	2725	4088	NA	NA	3/Week	24-Hr. Comp
TSS (mg/l) [c] [d]	1	24	30	45	NA	NA	3/Week	24-Hr. Comp
TSS (kg/d) [d]	1	24	2725	4088	NA	NA	3/Week	24-Hr. Comp
TRC (mg/l) [b] [c]	2		0.20	2.4	NA	NA	1/Day	Grab
Total Phosphorus (mg/l)	3		NL	NA	NA	NA	1/Month	24-Hr. Comp
Total Phosphorus (mg/l) Year to date [f]	3		NL	NA	NA	NA	1/Month	Calc
Total Phosphorus (mg/l) Calendar Year [e] [f]	3		2.0	NA	NA	NA	1/Year	Calc
Enterococci (n/cml) [d] [h]	3		35	NA	NA	NA	2/Month (Between 10 am & 4 pm)	Grab